

Attorney Docket No.: 6260.200-US
USSN: 10/646,295
Filed: 08/22/03
Title: Frontloaded Injection Device
Inventors: Hansen et al.
Via Facsimile No.: 571-273-8300

IN THE CLAIMS:

1-6 (Cancelled)

7. (Currently Amended) An injection device from which doses can be apportioned from a medicament containing cartridge wherein the injection device comprises a cartridge holder (2); an axial element (17) provided at the first end of the cartridge holder (2); an inward protrusion (18) perpendicular to the axial element (17), the protrusion forming the closure of the cartridge holder being moveable in a radial direction relative to the cartridge holder (2), being biased to be deflected outwardly; a ring (3) mounted on the device and being rotatable between a first position and a second position, the ring having pins (10) extending through slots (11) in the cartridge holder (2) and into tracks (16) in a tubular element (12) on which the axial elements (17) are arranged, the tracks (16) being helical so that the tubular element (12) is displaced in an axial direction when the ring (3) is rotated from the first position to the second position and whereby the axial element (17) when moved axially out of the cartridge holder (2) is deflected outwardly.

8. (Cancelled)

9. (New) The device of claim 7, further comprising a dose setting and injection mechanism.

10. (New) the device of claim 9, wherein the dose setting mechanism comprises a window (4) in which the size of a set dose can be viewed.

11. (New) A front loading injection system comprising:

- a. a housing for a dose setting and injection part, the housing comprising a longitudinal axis and comprising a front section for receiving a cartridge and a rear section comprising a window for displaying the size of a set dose;

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- b. a cartridge that is axially insertable into the front of the housing;
 - c. a closing member that moves perpendicular to the longitudinal axis and moves radially inward to engage the cartridge, thereby holding the cartridge in the housing and preventing axially movement of the cartridge;
wherein the window displaying the size of the set dose is located in an axial position that is proximal to the cartridge so that a part of the housing axially separates the window from the front section of the housing that receives the cartridge.
12. (New) The front loading injection system of claim 11, wherein the cartridge comprises a medication holding portion and a moveable piston that when moved in a distal direction reduces the volume of the medication holding portion.
13. (New) The front loading injection system of claim 12, further comprising a needle mounted on a distal end of the system.
14. (New) The front loading injection system of claim 11, further comprising a cartridge holder that is axially insertable into the front section of the housing.